

RATIONALE

UPDATE TO ASME Y14.5-2018. REVISE ACROSS POINTS AND FLATS TO AS1132. UPDATE LEAD THREAD CHAMFER TO AS1132. REVISE HEAD-TO-SHANK FILLET TO CR. NOTE 2 - ADD "COMPOSITION SIMILAR TO" TO UNS. TITLE BLOCK - CORRECT UNS FROM "UNS N07718" TO "UNS N07718."

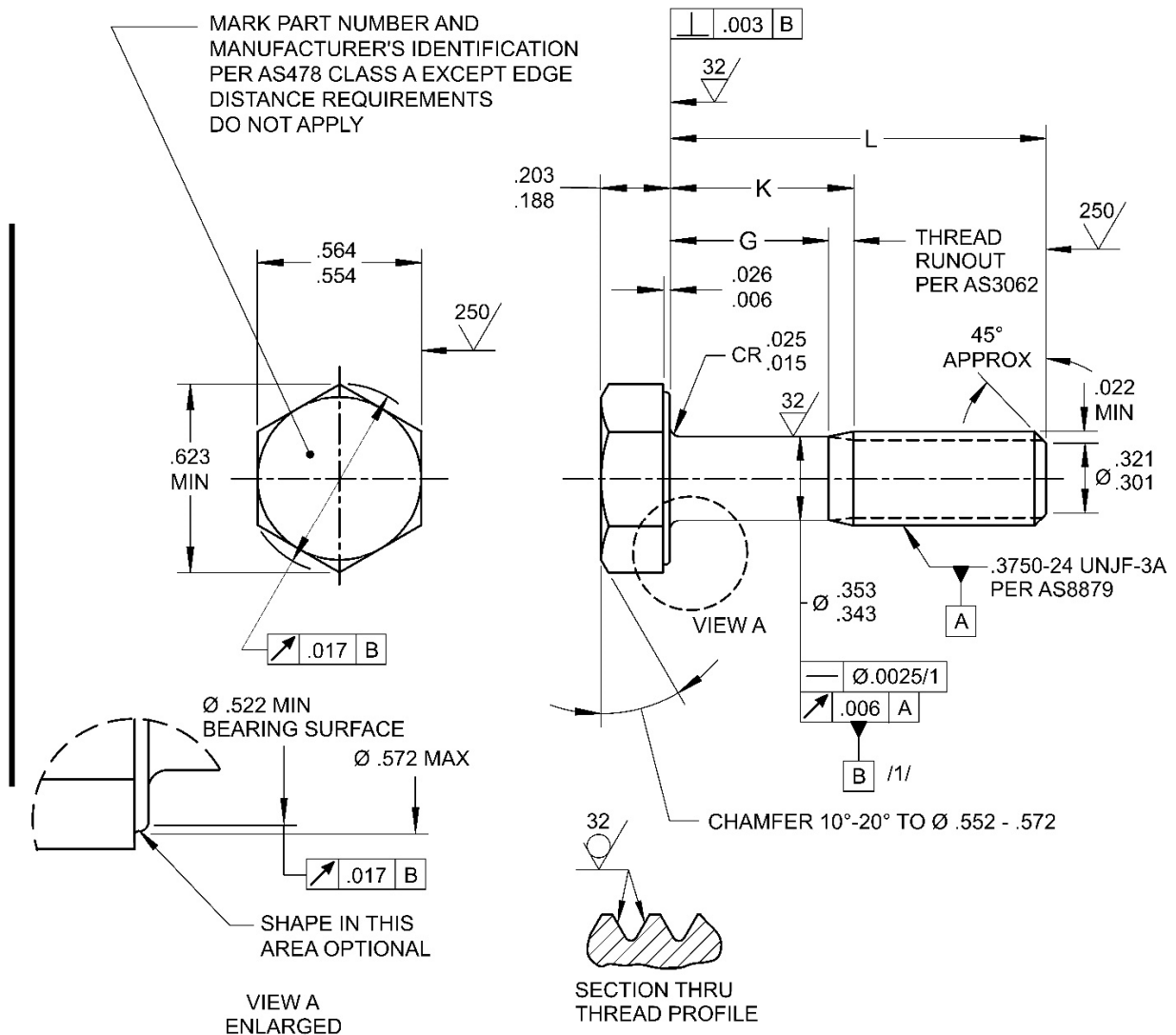
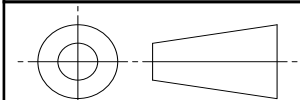


FIGURE 1 - BOLT

For more information on this standard, visit
<https://www.sae.org/standards/content/AS3416C/>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7467 /3/



AEROSPACE STANDARD

BOLT, MACHINE - HEXAGON HEAD, PD SHANK
UNS N07718, 185 KSI MIN, .3750-24 UNJF-3A
(STRESS RUPTURE RESISTANT)

AS3416™
SHEET 1 OF 3

REV.
C

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TABLE 1 - DIMENSIONS L, G, K, AND APPROX MASS

PART NUMBER	L	G MIN	K MAX	APPROX MASS LB/100
AS3416-03	.552- .572	.025	.108	3.05
AS3416-04	.615- .635	.025	.108	3.23
AS3416-05	.678- .698	.025	.108	3.40
AS3416-06	.740- .760	.025	.108	3.58
AS3416-07	.802- .822	.025	.108	3.76
AS3416-08	.865- .885	.025	.108	3.93
AS3416-09	.928- .948	.025	.108	4.11
AS3416-10	.990-1.010	.025	.108	4.28
AS3416-11	1.052-1.072	.025	.108	4.46
AS3416-12	1.115-1.135	.025	.125	4.64
AS3416-13	1.178-1.198	.045	.188	4.81
AS3416-14	1.240-1.260	.107	.250	4.99
AS3416-15	1.302-1.322	.169	.312	5.17
AS3416-16	1.365-1.385	.232	.375	5.35
AS3416-17	1.428-1.448	.295	.438	5.53
AS3416-18	1.490-1.510	.357	.500	5.70
AS3416-19	1.552-1.572	.419	.562	5.88
AS3416-20	1.615-1.635	.482	.625	6.05
AS3416-21	1.678-1.698	.545	.688	6.23
AS3416-22	1.740-1.760	.607	.750	6.41
AS3416-23	1.802-1.822	.669	.812	6.58
AS3416-24	1.865-1.885	.732	.875	6.76
AS3416-25	1.928-1.948	.795	.938	6.93
AS3416-26	1.990-2.010	.857	1.000	7.11
AS3416-27	2.115-2.135	.982	1.125	7.46
AS3416-28	2.240-2.260	1.107	1.250	7.81
AS3416-29	2.365-2.385	1.232	1.375	8.18
AS3416-30	2.490-2.510	1.357	1.500	8.53
AS3416-31	2.615-2.635	1.482	1.625	8.88
AS3416-32	2.740-2.760	1.607	1.750	9.23
AS3416-33	2.865-2.885	1.732	1.875	9.58
AS3416-34	2.990-3.010	1.857	2.000	9.94
AS3416-35	3.115-3.135	1.982	2.125	10.29
AS3416-36	3.240-3.260	2.107	2.250	10.64
AS3416-37	3.365-3.385	2.232	2.375	11.00
AS3416-38	3.490-3.510	2.357	2.500	11.35
AS3416-39	3.615-3.635	2.482	2.625	11.70
AS3416-40	3.740-3.760	2.607	2.750	12.06
AS3416-41	3.865-3.885	2.732	2.875	12.41
AS3416-42	3.990-4.010	2.857	3.000	12.76
AS3416-43	4.115-4.135	2.982	3.125	13.11
AS3416-44	4.240-4.260	3.107	3.250	13.46
AS3416-45	4.365-4.385	3.232	3.375	13.83
AS3416-46	4.490-4.510	3.357	3.500	14.18
AS3416-47	4.615-4.635	3.482	3.625	14.53
AS3416-48	4.740-4.760	3.607	3.750	14.88
AS3416-49	4.865-4.885	3.732	3.875	15.23
AS3416-50	4.990-5.010	3.857	4.000	15.59
AS3416-51	5.115-5.135	3.982	4.125	15.94
AS3416-52	5.240-5.260	4.107	4.250	16.29
AS3416-53	5.365-5.385	4.232	4.375	16.65
AS3416-54	5.490-5.510	4.357	4.500	17.00
AS3416-55	5.615-5.635	4.482	4.625	17.36
AS3416-56	5.740-5.760	4.607	4.750	17.71
AS3416-57	5.865-5.885	4.732	4.875	18.06
AS3416-58	5.990-6.010	4.857	5.000	18.41



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SHEET 2 OF 3

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